



UNI9194-6US.ST25.txt  
SEQUENCE LISTING

<110> ~~Studley, F. M. Thomas C.~~  
L1, QMing

<120> COMPOSITIONS, METHODS AND ASSAYS RELATED TO SECRETASE CLEAVAGE  
SPECIFICITY

<130> UNI9194-006US

<140> 10/721,297  
<141> 2003-11-25

<160> 29

<170> PatentIn version 3.3

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Glu Val Lys Met Asp Ala Glu  
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<223> Synthetic oligonucleotides

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Gly Tyr Glu Asn Pro Thr Tyr Lys Phe Phe Glu Gln Met Gln Asn  
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Tyr Glu Asn Pro Thr Tyr Arg Phe Leu Glu Glu Arg Pro  
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Glu Gln Met Gln Ile  
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Val Pro Arg Gly Glu Pro Phe His Ser Ser Glu Ile Gln Arg  
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Glu Val Asn Leu Asp Ala Glu Ser  
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Glu Val Asn Leu Asp Ala Glu  
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Met Leu Lys Lys Tyr Val Arg Ala Glu Gln Lys Asp Arg Gln His Thr  
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Leu Lys His Phe Glu His Val Arg Met Val Asp Pro Lys Lys Ala Ala  
20 25 30

Gln Ile Arg Ser Gln Val Met Thr His Leu Arg Val Ile Tyr Glu Arg  
35 40 45

Met Asn Gln Ser Leu Ser Leu Leu Tyr Asn Val Pro Ala Val Ala Glu  
50 55 60

Glu Ile Gln Asp Glu Val Asp Glu Leu Leu Gln Lys Glu Gln Asn Tyr  
65 70 75 80

Ser Asp Asp Val Leu Ala Asn Met Ile Ser Glu Pro Arg Ile Ser Tyr  
85 90 95

Gly Asn Asp Ala Leu Met Pro Ser Leu Thr Glu Thr Lys Thr Thr Val  
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100                    105                    110

Glu Leu Leu Pro Val Asn Gly Glu Phe Ser Leu Asp Asp Leu Gln Pro  
115                    120                    125

Trp His Ser Phe Gly Ala Asp Ser Val Pro Ala Asn Thr Glu Asn Glu  
130                    135                    140

Val Glu Pro Val Asp Ala Arg Pro Ala Ala Asp Arg Gly Leu Thr Thr  
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Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val  
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Gly Ser Asn Lys Gly Ala Ile Ile Gly Met Val Gly Gly Val Val Ile  
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Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln  
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Tyr Thr Ser Ile His His Gly Val Val Glu Val Asp Ala Ala Val Thr  
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Pro Thr Tyr Lys Phe Phe Glu Gln Met Gln Asn  
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<212> PRT  
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Leu Arg His Tyr Gln His Val Ala Ala Val Asp Pro Glu Lys Ala Gln  
20 25 30

Gln Met Arg Phe Gln Val His Thr His Leu Gln Val Ile Glu Glu Arg  
35 40 45

Val Asn Gln Ser Leu Gly Leu Leu Asp Gln Asn Pro His Leu Ala Gln  
50 55 60

Glu Leu Arg Pro Ile Gln Glu Leu Leu His Ser Glu His Leu Gly  
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Pro Ser Glu Leu Glu Ala  
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Asp Ser

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Lys Asp Asp Thr Pro Met  
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Lys Met Asn Pro Leu Glu Gln Tyr Glu Arg Lys Val Asn Ala Ser Val  
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Pro Arg Gly Phe Pro Phe His Ser Ser Glu Ile Gln Arg Asp Glu Leu  
20 25 30

Ala Pro Ala Gly Thr Gly Val Ser Arg Glu Ala Val Ser Gly Leu Leu  
35 40 45

Ile Met Gly Ala Gly Gly Ser Leu Ile Val Leu Ser Met Leu Leu  
50 55 60

Leu Arg Arg Lys Lys Pro Tyr Gly Ala Ile Ser His Gly Val Val Glu  
65 70 75 80

Val Asp Pro Met Leu Thr Leu Glu Glu Gln Gln Leu Arg Glu Leu Gln  
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Arg His Gly Tyr Glu Asn Pro Thr Tyr Arg Phe Leu Glu Glu Arg Pro  
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Ala Leu Arg Arg Tyr Val Arg Ala Glu Asn Lys Asp Arg Ile His Thr  
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Ile Arg His Tyr Gln His Val Leu Ala Val Asp Pro Glu Lys Ala Ala  
20 25 30

Gln Met Lys Ser Gln Val Met Thr His Leu His Val Ile Glu Glu Arg  
35 40 45

Arg Asn Gln Ser Leu Ser Leu Leu Tyr Lys Val Pro Tyr Val Ala Gln  
50 55 60

Glu Ile Gln Glu Glu Ile Asp Glu Leu Leu Gln  
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Glu Gln Arg Ala Asp Met Asp Gln Phe Thr Ala Ser Ile Ser Glu Thr  
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Pro Val

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Asp Val Arg Tyr Ser Ser Glu Glu Ser  
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Glu Glu Ile Pro Pro Phe His Pro Phe His Pro Phe  
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Pro Ala Leu Pro Glu Asn Glu Asp Thr Gln Pro  
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Glu Leu Tyr His Pro Met Lys Lys Gly Ser Gly Val Gly Glu Gln Asp  
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Gly Gly Leu Ile Gly Ala Glu Glu Lys Val Ile Asn Ser Lys Asn Lys  
20 25 30

Val Asp Glu Asn Met Val Ile Asp Glu Thr Leu Asp Val Lys Glu Met  
35 40 45

Ile Phe Asn Ala Glu Arg Val Gly Gly Leu Glu Glu Glu Arg Glu Ser  
50 55 60

Val Gly Pro Leu Arg Glu Asp Phe Ser Leu Ser Ser Ser Ala Leu Ile  
65 70 75 80

Gly Leu Leu Val Ile Ala Val Ala Ile Ala Thr Val Ile Val Ile Ser  
85 90 95

Leu Val Met Leu Arg Lys Arg Gln  
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<210> 27

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<212> PRT

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Tyr Gly Thr Ile Ser His Gly Ile Val Glu Val Asp Pro Met Leu Thr  
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Pro Glu Glu Arg His Leu Asn Lys Met Gln Asn His Gly Tyr Glu Asn  
20 25 30

Pro Thr Tyr Lys Tyr Leu Glu Gln Met Gln Ile  
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Glu Val Lys Met Asp Ala Glu Ser  
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<212> PRT

<213> Artificial

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<223> APP B-secretase binding site

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Glu Val Lys Met Asp Ala Glu Ser  
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